ABSTRACT

Disclosed is a chimeric protein comprising a bacteriorhodopsin polypeptide sequence and a G protein-5 coupled receptor sequence. Also disclosed is a genetic construct comprising encoding a chimeric bacteriorhodopsin polypeptide sequence and a G protein-coupled receptor sequence. The chimeric protein of the present invention can be used to evaluate various agents for the ability to 10 interact with loop 3 of a G protein-coupled receptor.

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